

7. (Amended) The needleless syringe as claimed in claim 1, characterized in that the shock wave on the upstream face (5) of the fixed barrier (4) is produced by a weight which impacts said barrier (4).

8. (Amended) The needleless syringe as claimed in claim 1, characterized in that the device (3) generating a shock wave on the upstream face (5) of the fixed barrier (4) comprises a detonating pyrotechnic charge.

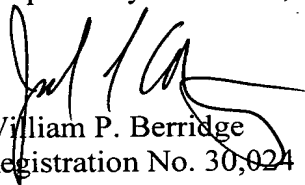
9. (Amended) The needleless syringe as claimed in claim 1, characterized in that the length of the application guide (8) is between 1 and 8 times the diameter of the fixed barrier (4) and preferably between 2 and 5 times said diameter.

REMARKS

Claims 1-10 are pending. By this Preliminary Amendment, claims 3 and 5-9 are amended to eliminate multiple dependencies. Prompt and favorable examination on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Respectfully submitted,


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Attachment: Appendix

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APPENDIX

Changes to Claims:

The following are marked-up versions of the amended claims:

3. (Amended) The needleless syringe as claimed in claim 1 ~~either of claims 1 and 2~~, characterized in that the shock wave generator device (3) produces a plane shock wave on the upstream face (5) of the fixed barrier (4).
5. (Amended) The needleless syringe as claimed in claim 1 ~~either of claims 1 and 4~~, characterized in that each cavity (7) has a form of revolution about an axis parallel to the direction of propagation of the shock wave.
6. (Amended) The needleless syringe as claimed in claim 1 ~~either of claims 1 and 4~~, characterized in that a plurality of cavities are distributed on the downstream face (6) of said barrier (4).
7. (Amended) The needleless syringe as claimed in claim 1 ~~one of claims 1 to 3~~, characterized in that the shock wave on the upstream face (5) of the fixed barrier (4) is produced by a weight which impacts said barrier (4).
8. (Amended) The needleless syringe as claimed in claim 1 ~~one of claims 1 to 3~~, characterized in that the device (3) generating a shock wave on the upstream face (5) of the fixed barrier (4) comprises a detonating pyrotechnic charge.
9. (Amended) The needleless syringe as claimed in claim 1 ~~one of the preceding claims~~, characterized in that the length of the application guide (8) is between 1 and 8 times the diameter of the fixed barrier (4) and preferably between 2 and 5 times said diameter.